

Title (en)

CHROMEN-4-ONE DERIVATIVES AS A SELF-TANNING SUBSTANCE

Title (de)

CHROMEN-4-ON-DERIVATE ALS SELBSTBRÄUNUNGSSUBSTANZ

Title (fr)

DÉRIVÉS DE CHROMÈNE-4-ONE COMME SUBSTANCE AUTOBRONZANTE

Publication

**EP 1979337 B1 20110525 (DE)**

Application

**EP 07702622 A 20070109**

Priority

- EP 2007000106 W 20070109
- DE 102006004327 A 20060131

Abstract (en)

[origin: US2009220438A1] The invention relates to the use of compounds of the formula (I), where R<sub>1</sub> and R<sub>2</sub> may be identical or different and stand for H, OH, OCH<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>OH or CH<sub>2</sub>OCH<sub>3</sub>, R<sub>3</sub> stands for H or straight-chain or branched C<sub>1</sub>- to C<sub>20</sub>-alkyl groups, R<sub>4</sub> stands for H or OR<sub>8</sub>, R<sub>5</sub> and R<sub>6</sub> may be identical or different and are selected from -H, -OH, straight-chain or branched C<sub>1</sub> to C<sub>20</sub>-alkyl groups, straight-chain or branched C<sub>3</sub>- to C<sub>20</sub>-alkenyl groups, straight-chain or branched C<sub>1</sub>- to C<sub>20</sub>-hydroxyalkyl groups, where the hydroxyl group may be bonded to a primary or secondary carbon atom of the chain, and furthermore the allyl chain may also be interrupted by oxygen, and R<sub>8</sub> stands for H or straight-chain or branched C<sub>1</sub>- to C<sub>20</sub>-alkyl groups, with the proviso that R<sub>2</sub> does not denote H if R<sub>1</sub> denotes CH<sub>3</sub>, as self-tanning agents, and to compounds and the preparation thereof.

IPC 8 full level

**C07D 311/22** (2006.01); **A61K 8/34** (2006.01)

CPC (source: EP US)

**A61K 8/498** (2013.01 - EP US); **A61P 17/00** (2017.12 - EP); **A61Q 19/04** (2013.01 - EP US); **C07D 311/22** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2009220438 A1 20090903**; AT E510830 T1 20110615; DE 102006004327 A1 20070802; EP 1979337 A1 20081015;  
EP 1979337 B1 20110525; ES 2367187 T3 20111031; WO 2007087956 A1 20070809

DOCDB simple family (application)

**US 16252707 A 20070109**; AT 07702622 T 20070109; DE 102006004327 A 20060131; EP 07702622 A 20070109; EP 2007000106 W 20070109;  
ES 07702622 T 20070109